

WHAT IS CLAIMED IS:

1. A lens driving apparatus for driving a movable body in a focus direction and a tracking direction comprising:

5 a holder, to which a focus coil, a tracking coil and a lens are installed, to thereby constitute said movable body; and

a magnetic circuit for applying magnetic fluxes to said focus coil and said tracking coil, to thereby drive said movable body in the focus direction and the tracking direction,

10 said tracking coil including two sets each having upper and lower two coils arrayed in the focus direction such that the two sets are arrayed in the tracking direction,

said magnetic circuit applying the magnetic fluxes opposite to each other along a jitter direction, with respect to the upper two  
15 coils and the lower two coils without applying the magnetic fluxes with respect to portions adjacent to the upper and lower two coils.

2. A lens driving apparatus for driving a movable body in a focus direction and a tracking direction comprising:

20 a holder, to which a focus coil, a tracking coil and a lens are installed, to thereby constitute said movable body; and

a magnetic circuit for applying magnetic fluxes to said focus coil and said tracking coil, to thereby drive said movable body in the focus direction and the tracking direction,

25 said tracking coil including two sets each having upper and lower two coils arrayed in the focus direction such that the two sets

are arrayed in the tracking direction,

said magnetic circuit applying the magnetic fluxes opposite to each other along a jitter direction, with respect to the upper two coils and the lower two coils by a first density while applying the magnetic fluxes with respect to portions adjacent to the upper and lower two coils by a second density which is less than the first density.

3. A lens driving apparatus according to claim 1, wherein said two sets are arranged symmetrical about a center of gravity of said movable body.

4. A lens driving apparatus according to claim 2, wherein said two sets are arranged symmetrical about a center of gravity of said movable body.

5. A lens driving apparatus according to claim 1, wherein said focus coil comprises a single coil arranged between said two sets, and said magnetic circuit applies the magnetic fluxes opposite to each other, with respect to an upper portion and a lower portion of said focus coil.

6. A lens driving apparatus according to claim 2, wherein said focus coil comprises a single coil arranged between said two sets, and said magnetic circuit applies the magnetic fluxes opposite to each other, with respect to an upper portion and a lower portion of

said focus coil.

7. A lens driving apparatus according to claim 1, wherein said  
focus coil and said tracking coil comprise printed substrate coils,  
5 which are printed on a single plane printed substrate.

8. A lens driving apparatus according to claim 2, wherein said  
focus coil and said tracking coil comprise printed substrate coils,  
which are printed on a single plane printed substrate.

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